

DRILLING REPORT

WELL: UL Urad 1609-21 1H		CONTRACTOR: Cactus										RIG: Cactus 129																	
RPT DATE: June 30, 2017		SPUD DATE: 5/28/17										CASING		OD	WT	GRD	MD	TVD											
		API #: 42495338430000		DFS: 33		Conductor		20	94	J-55	110	110																	
				REPORT NO: 34		Surface		13-3/8	55	J55	1,105	1,105																	
FIELD: Phantom (Wolfcamp)				DOL: 39		Intermediate		10-3/4	46	J-55	5,090	5,065																	
ELEV: 2,807		RKB: 31		LAST BOP TEST: 6/18/17		Intermediate		7-5/8	30	P110HC	11,695	11,669																	
MD: 22,453		TVD: 12,182																											
24 HR FTG: 408		HRS DRLG: 12		CSGHD: 2,807																									
DRILLING FLUID														SHOE TEST:															
TIME	MW	FV	WL	3RPM	6RPM	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP											
16:30	13.8	64.0		8	9		2	10	13	19	35	12	79,000			55.00	6.35	2.00											
										REDUCED PUMP RATES																			
										PUMP		SPM		PRESS		DEPTH													
										#1		30		1,280		22,453													
										#2		30		1,280		22,453													
BIT DATA																													
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP									
12		6.75		Baker Hughes		TD 405 FX		7911133		5X18				22,045	22,453	408	12.0	22	246	34									
BIT NO.				INNER		OUTER		DULL		LOC		SEAL		GAUGE		OTHER		RP											
HYDRAULICS DATA																													
PUMP		MAKE		MODEL		LINER		STK		SPM		PSI		GPM		GPS		EFF %		ECD		AV DP		AV DC		BIT HHP		PUMP HHP	
1		Gardner Denver		PXL		5.500		11.000		91		5200		300		.0784		97		14.92		162.7		260.2		7.8		981	
2		Gardner Denver		PXL		5.500		11.000				5200		300		.0784		97		14.92		162.7		260.2		7.8		981	
BHA																													
DESCRIPTION:		1.75 Deg FBH Lateral Assembly																											
LENGTH		13,735.48		BHA WT. AIR		201,907		BHA WT. MUD		161,834		HRS. ON JARS																	
ROT. WT.		220,000		P.U. WT.		315,000		S.O. WT.		185,000		TORQUE		15,000															
TIME MADE UP		15:00		DATE MADE UP		6/18/2017		TIME PULLED		DATE PULLED																			
SURVEY DATA																													
MD		ANGLE		AZIMUTH		TVD		N/S		COORDINATES		E/W		V. SECTION		DLS													
22,247		88.46		343.01		12,181		9,574.8		-2,671.9		9,940.6		1.3															
22,341		89.97		344.33		12,182		9,665.0		-2,698.3		10,034.6		2.1															
22,401		89.66		344.28		12,182		9,722.8		-2,714.5		10,094.6		0.5															
22,453		89.66		344.28		12,183		9,772.9		-2,728.6		10,146.6		0.0															
CONSUMABLES				DIESEL FUEL (gal) Rcvd/Used/On Hand:				DRILL H2O (gal) Rcvd/Used/On Hand:																					
OPERATIONS TIME LOG																													
FROM		TO		HRS		CODE												Start MD		End MD									
06:00		18:00		12.0		Drilling		Drilled Lateral 22,045' - 22,453' (408" @ 34 fph) *Pumped 20 bbl super sweep while drilling last 30' to TD Rotate: WOB 24 * PP 5,250 psi * SPM 88 * GPM 290 * Diff 500 * TD RPM 70 * TORQ 14-17K * MM RPM 246 * Total RPM 316										22032		22453									
18:00		20:00		2.0		Cond Mud & Circ		Circ out sweep & circ 1.5 x B/U - Rotate (82 rpm) & reciprocate (94') drill string GPM 326 * PP 5,375 * TD RPM 82 Flow check well & pump slug										22453		22453									
20:00		00:30		4.5		Trips		TOH 22,453' - 12,622'- Monitor fill-ups on trip tank - Hole taking proper fill Pipe pulled 330K off bottom. Pulled 30K over @ 21,550' & 20,955'										22453		22453									
00:30		01:00		0.5		Lubricate Rig		Service Rig while changing hydraulic hose on ST-80										22453		22453									
01:00		01:30		0.5		Trips		TOOH 12,622'- 11,700' (KOP) - Monitor fill-ups on trip tank - Hole taking proper fill										22453		22453									
01:30		06:00		4.5		Reaming		Ream curve 11,700' - 12,950' GPM 300 * PP 3,250 * TD RPM 30 * Speed 100 - 350/Hr (as hole & DLS dictate)										22453		22453									
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